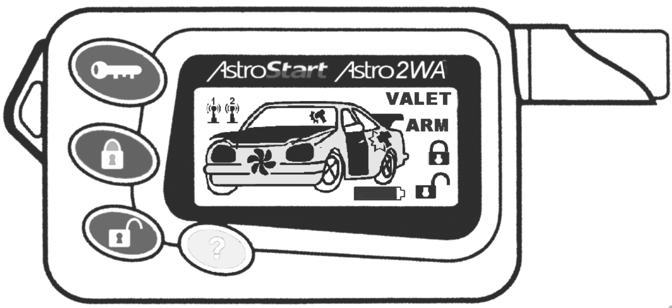
# AstroStart

## 2 WAY REMOTE CONTROL ENGINE STARTER WITH INTEGRATED ALARM*

# USER MANUAL

## Model 4204 / 5204




**For all automatic transmission gas- and diesel-powered vehicles.**

*** The asterisks represent functions related to a 5204 remote starter with integrated alarm only**

LIMITED LIFETIME AstroStart WARRANTY

**(FRANÇAIS AU VERSO)**

**CONSULT SAFETY PRECAUTION SECTION BEFORE USING THIS PRODUCT.**

**NEVER INSTALL THIS PRODUCT ON A MANUAL TRANSMISSION VEHICLE.**

**SOME FEATURES MAY REQUIRE ADDITIONAL MATERIAL (NOT INCLUDED).**

PATENT NOS
CAN 1.130.426
USA 4.345.554 - 5.614.883
- 5.617.819 - 5.673.017
AND OTHER PATENTS PENDING

Manufactured in Canada by:
Astroflex

Litho'd in Canada 08/03 193-127-308-00

# GOVERNMENT REGULATIONS

This device complies with the requirements of Industry Canada (IC) - Management of Radiofrequencies, as specified in document CNR-210. Its use is authorized only on a no-interference, no-protection basis; in other words, this device must not be used if it is determined that it causes harmful interference to services authorized by IC. In addition, the user of this device must accept any radio interference that may be received, even if this interference could affect the operation of the device.

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

(1) this device may not cause harmful interference and

(2) this device must accept interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio-frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from the one the receiver is connected to.
- Consult the dealer or an experienced radio / TV technician for help.

**Warning:**

Changes or modifications not expressly approved by <manufacturer> could void the user's authority to operate the equipment.

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**THANK YOU FOR CHOOSING AN ASTROSTART REMOTE CAR STARTER!**

Like you, Astroflex is concerned with the environment.
This is why we suggest using the two minute runtime
when you remote start your vehicle to warm up engine fluids.

We take this opportunity to remind you to properly defrost your windows
and remove all the snow from your vehicle before driving on public roads.

***Rolling igloos are extremely dangerous!***

We wish you an excellent journey with your remote engine starter!

## User guide for 4204 and 5204 remote engine starter

The 4204 and 5204 models are Bi-directional remote engine start systems. This means that they can communicate both ways and therefore return an acknowledgment to the transmitter and/or communicate the status of the vehicle.

The 5204 model includes an integrated security system. As well as remote starting your vehicle, it can inform you when the vehicle is accessed and/or of any intrusions. A second one-way 6 button transmitter is also included only in this kit. See addendum 193-127-107-00 included in the packaging for the operating instructions.

Both models offer a keyless entry feature allowing the user to operate the door locks as well as access to the trunk of the vehicle. These features are optional and may require additional material and/or wiring during installation.

# Table of contents

# SAFETY PRECAUTIONS

Before using this product, carefully read the following safety precautions.

- Immediately report any malfunction to the AstroStart dealer that performed the installation.
- Under no circumstance can this product or its use be modified.
- Always turn off the main switch when vehicle is parked in an enclosed, unventilated area or is in for servicing.
- Always turn off the main switch when not using your remote starter for extended periods of time.
- Keep remote controls away from children.
- Have your engine tuned regularly to ensure optimum performance of your remote starter.
- Make sure that the windshield wipers and the headlights are turned off before leaving vehicle.
- Regularly check safety features that stop engine (see SAFETY CHECKS on page 15.)
- Make sure you comply with all local regulations, which may prohibit leaving your engine running when vehicle is unattended in a public place.
- Always advise service personnel that your vehicle is equipped with a remote starter.
- We strongly recommend that you have your remote starter checked annually. Contact a dealer in your area.

# BEFORE USING YOUR REMOTE STARTER

Before leaving your vehicle, set the various controls in order to use your remote starter.

- Set heating/air conditioning controls to desired position (when the remote starter starts your engine, it will also turn on your climate control system).
- Turn your windshield wipers and the headlights to the **OFF** position.
- Make sure gearshift is in **P**.

# THE REMOTE CONTROL

Your remote control has been designed to fit the natural contours of your hand so that it is easier to use.

Your remote control can transmit on two different channels, allowing control of two separate vehicles. See below for more details.

A maximum of four remote controls can be assigned to your vehicle. See your dealer for additional remote controls (Two way: 310-052-451-00).

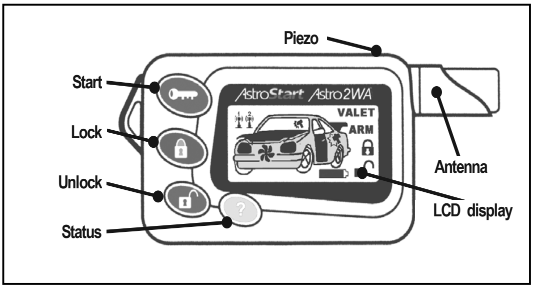
**NOTE**: The range of your remote control can be affected by a weak battery, interference from nearby metal structures, hydro poles, or crowded parking lots.

## USING YOUR REMOTE CONTROL

To send a command, press for **two** seconds on the appropriate button.

Command may not be sent if the button is not pressed long enough.

The remote control beeps at the beginning of transmission, then eight short beeps at the end of the transmission, i.e. about 2 seconds after the button was pressed. After those short beeps, release the button(s) to allow the remote to receive confirmations from the car.




When used with a **4204**, immediately after a command is sent, the remote control switches to receive mode for 5 seconds while waiting for a confirmation signal. The only exception is for the Start command. The remote will always stay in receive mode, waiting for engine shut down feed back from the car.

When used with a **5204**, the remote will always standby, ready to receive information from the car, like violation of a protected zone.

Your remote control can transmit on two different channels, allowing control of two separate vehicles equipped with either, 4204 or 5204 system. Only the “Panic” command is transmitted on both channels simultaneously.

Each command being transmitted is confirmed by audible (piezo) and visual (Antenna1, Antenna 2) confirmations. That work in the following manner.

**CHANNEL 1** :

To transmit a command on channel 1, press desired button for two seconds.

**CHANNEL 2** :

To transmit a command on channel 2, press desired button, then as soon as a beep is heard, release the button for a moment then press it again and hold it down for two seconds.

Remote control shown could differ from that included in the kits.

## REPLACING THE BATTERY

The LCD of your remote has a battery icon telling you when to replace the battery. We strongly recommend keeping a replacement battery in your glove compartment.

The remote control needs one AAA battery. See a dealer for spare batteries or any convenience store.

To replace the battery, slide the latch sideways and remove the battery cover on the back of the remote control case, remove old battery and replace it with a new one.

Make sure the battery is placed the right way (see pictogram inside the cover).

## CONFIRMATIONS

**Sent by vehicle**

Confirmations sent by the vehicle are generated as soon as a command is received by the starter module. Your remote starter will always confirm that the command has been received, either by sounding the horn, siren or by flashing the parking lights.

Parking light confirmation is mandatory while horn or siren confirmations are optional (programmable) and may require additional connections and equipment during installation.

**Emitted by the transmitter**

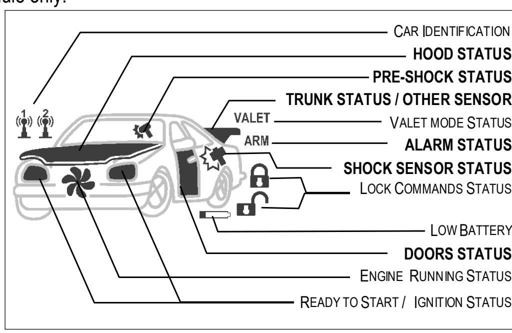
The transmitter emits three kind of confirmations: audible (piezo), visual (LCD display) and physical (vibration); these confirmations are listed further in this guide. After the confirmation signals have been emitted, the transmitter, only if used with the 4204, will change to power saving mode in order to reduce battery consumption.
Note that the communication between the vehicle and the transmitter operates only in one-way. This is why it is recommended to wait for the confirmation before sending another command. Otherwise, the vehicle and the transmitter will transmit at the same time and block the requested command as well as the returned confirmation

The following diagram shows the usefulness of each segment of the display. Note that the **bold** characters are referring to the transmitter used with the 5204 module only.

Display confirmations will be visible for 4 seconds. The confirmations, generated by the vehicle are emitted only once after the control module sends it.

Confirmations emitted by the transmitter can be neutralized by radio interferences or electromagnetic signals emitted by electronic devices nearby.

If you don't receive any confirmation from where you're standing, move away from electronic devices and press the "status" command; the module will inform you of the door lock, alarm (5204 only) and engine status.



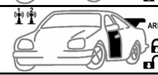
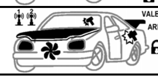
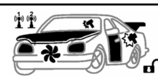
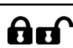
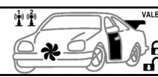

**Out of range**

If the vehicle is out of range, the transmitter will emit a 5 seconds soft chirp to indicate that the command hasn't been received by neither the module nor the transmitter.

As for the 5204, the transmitter sends a command every hour in order to determine if it is possible to establish a communication with the vehicle. After two communications without answer, the transmitter vibrates twice to inform you that the vehicle is out of range.

When the communication is re-established, the transmitter vibrates to inform you of the vehicle status.

# TABLE OF COMMANDS

| Commands | Buttons | | Confirmations | | | | |
|---|---|---|---|---|---|---|---|
| | | | Sent by vehicule | | | Sent by remote control | |
| | | | Horn | Lights | Siren | LCD | |
| Start/ Continuous mode |  | 2 sec. | 1 ❶ | 1 ❶ | - |  | ① |
| Stop ❷ |  | 2 sec. | - | 1 | - |  | ② |
| Lock / Arming |  | 2 sec. | 1 ❸ | 1 | 1/3 ❸❹❺❻ |  | ② |
| Panic | | > 5 sec. | 30 / 60 sec. | | | None | |
| Unlock / Disarming ❼ |  | 2 sec. | - | 2 | 2/4 ❹❻❾ |  | ② |
| | | 5 sec. ❽ | | | | None | |
| Trunk |  | 2 sec. | - | 3 | 3 ❿ |  | ③ |
| Activate / Cancel Sentinel |  | 2 sec. | - | 2/3/4 ❄ | - |  | ④ |
| Activate / Cancel Utility |  | 2 sec. | - | 1 | - | | |
| Car finder |  | 2 sec. | 7 | 3 | - | | |
| Activate / Cancel Valet mode ⑤ |  | 2 sec. | - | - | - |  | |
| Status |  | 2 sec. | - | - | - |  | ④ |
| | | 5 sec. | Keyboard Un/Lock | | | None | |

❶ This confirmation is only sent when the starting command is repeated while the engine is already running.

❷ This command terminates the running time, panic mode and alarm status.

❸ Second lock, chirp or horn confirmation (if programmed).

❹ Non-functional is the default setting at installation. The horn is used for Lock confirmation when the chirp is deactivated. There is no alarm confirmation when the chirp is deactivated.

❺ 1 = Arming without infraction / 3 = Arming with at least one infranction.

❻ No chirp when in valet mode or non-functional programmed alarm.

❼ Temporary valet mode if activated a second time during rearming delay.

❽ Audible confirmations are deactivated / Activated (except for alarm and pre-shock).

❾ 2 = Disarming without infraction / 4 = Disarming with at least one infraction.

❿ When trunk release is activated while the module is armed.

See other clarifications on next page.

❅ 2 = Deactivation / 3 = system not ready / 4 = Activation.

① No confirmation is sent back if the engine does not start. Start confirmation can take few seconds except if the engine is already running.

② Depending on the programmed option (at installation), the trunk confirmation shows that : The trunk is open ☐; the input (for the other sensor) is in infraction status ☐.

③ When the option is programmed in trunk mode (optional material required) and that the trunk is open. This confirmation will repeat itself every 5 minutes until the trunk is closed.

④ When the door and trunk zone are in infraction at the same time, the LCD display will only show the Trunk zone.

⑤ When used with a 4204, Valet staus is updated on each commands.

# START COMMANDS

## STARTING THE ENGINE

To start engine, press button.

The system automatically adjusts ignition duration for your type of vehicle; parking lights flash once (duration: four seconds) then stay on all the time when the engine is running.

If more than one command is sent, each successive start command resets the runtime to the beginning, parking lights flash once to confirm command has been received and horn sounds once to let you know engine is already running.

When the start command is emitted, the system will immediately send a confirmation that the vehicle is ready to start or not (ex.: the vehicle won't start if the hood is open).

If the vehicle is ready to start, the system will automatically change to the start cycle and send another confirmation only if the command was successfully executed. The system can take a few seconds to send back the confirmation.



System is ready to start (flashing parking lights)



System is not ready to start (fix fan)



Successfully started (animated fan)

### IF ENGINE DOES NOT START

If your system cannot start engine at first attempt, it will wait a few seconds then try again; it could try again twice depending on reason for failure to start.

After three attempts, it will shut down automatically and wait for a new command. In this case, confirmations sent by the vehicle are the same, but remote control does not show any confirmations.

### UPON ENTERING YOUR VEHICLE...

- Do not apply brakes; this will stop engine immediately.
- Insert ignition key and turn it to **ON** position.

**DO NOT TURN IGNITION KEY TO START POSITION.**

- Drive as usual.

### STATUS

When this command is sent, the command module checks engine status, protection zones status and lock status, then retransmits this information to remote control, which indicates the results on the LCD display with a combination of pictograms.

When remote control receives a confirmation, it flashes the relevant pictograms and vibrates twice.

If vehicle is out of range, remote control will give a soft chirp after five seconds to indicate that either the control module or the remote transmitter could not receive the command.

## ENGINE RUNTIME

Your engine will stop automatically after a preset runtime (set during the installation). Parking lights will stay on as long as the engine is running.

### TRIGGER INPUT




Your remote starter is equipped with a negative trigger (pulse) input.

This input can be connected to another remote control device or to an AstroStart RST-2 timer output (optional). Part number: 310-903-502.

If this input is connected, consult this device's manual or ask your technician which command controls the Start/Stop function.

Start/Stop commands received on this input are ignored while engine is running on a remote start.

All Start/Stop commands triggered on the input act the same as a remote control commands.

## CONTINUOUS MODE

Continuous Mode function lets you remove the key from the ignition while leaving the engine running. This convenient feature allows you to leave your vehicle for short periods of time while climate controls remain on.

To access Continuous Mode, send Start command while engine is idling (see STARTING THE ENGINE on page 6).

Parking lights, engine and preset accessories will remain on for the duration of the programmed runtime. Remove the key, exit vehicle and lock all doors. All safety devices will remain active.

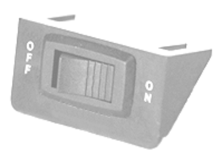
If you return to your vehicle before runtime has elapsed, just turn the key to **ON** position and press the brake pedal.

### WHAT STOPS THE ENGINE

For your safety, engine will not start or will stop if:

- Your key is in ignition (prevent Start cycle)
- Remote control sends a Stop message.
- Hood is open.
- Brakes are applied.
- Engine is over-revving (if programmed Enable at installation).
- Alarm detect intrusion.
- Main switch is **OFF**.

### MAIN SWITCH




The main switch is usually mounted under the driver side dashboard. It is a toggle **ON**/**OFF** switch that is used to cancel start functions.

It does not disable other commands, which remain active (Alarm features, Locks, etc.).

## STOP ?

When engine is running on a remote start, you can turn it off by pressing ? and buttons simultaneously. This command also turns off alarm condition.

## LOW TEMPERATURE MODE

In Low Temperature (Sentinel) mode, system starts your engine automatically when the temperature falls below a preset level.

Engine will run for programmed runtime, after which the system will wait 2½ hours and then start the engine again if temperature is still below preset level.

To activate/cancel Low Temperature mode, press and buttons simultaneously.

### When mode is activated:

Parking lights will flash 4 times, then, if temperature is below preset level, engine will start.

If temperature is above preset level, system will wait until it goes below the preset level before starting engine. If system cannot execute command (for example, hood is open), confirmation will be different (lights: 3).

### When mode is cancelled:

Parking lights will flash twice to confirm that mode is cancelled. Applying brakes also cancels Low Temperature mode.

## SECURITY SYSTEM

(This section only applies with 5204 remote starters)

The 5204 is sold as a Two way remote starter with built in alarm system. Which means that the remote is in constant communication with your car. It will inform you about a door or trunk being opened for more than 5 minutes, that your car is shuts down, all that by the icons on your remote.

## PROTECTION ZONES

Your security system can use up to six different monitoring devices simultaneously to protect your vehicle.

These devices are connected to the system on different inputs called protection zones.

One of these zones can send an audible warning (7 chirps), while the other five generate an alarm condition if system is armed.

| PROTECTION ZONES | FUNCTIONS |
|---|---|
| Pre-shock (Warning) | Siren chirps (7 times) |
| Pre-shock (more than 3 time in 3 min.)<br>Doors<br>Hood<br>Additional sensor (Trunk)<br>Shock sensor<br>Ignition (key) | Siren "ON" for 30 or 60 second period, which can be repeated up to 4 times depending on initial programming and whether violated zone is corrected or not.<br>Each period is separated by a 5 second pause.<br>(45 seconds for "Door" zone). |

## DETERRENTS

### ACTIVE

When one of the monitoring devices detects a violation, system reacts by activating the following deterrents, depending on which is connected.

System can activate up to four deterrents simultaneously: **siren**, **parking lights**, **dome light** and/or **horn**.

### PREVENTIVE

**Indicator light** shows different alarm conditions (see "ZONE CODES" on page 11).
It can also act as a deterrent if installed in a place visible from outside vehicle.

## ALARM MODES

### WARNING

Warning signal is 7 siren chirps.

If a two-level shock sensor is connected to system, warning sounds every time vehicle is subjected to a light shock when the alarm is armed. The remote will also show you the violation by the small hammer icon.

### PRE-ALARM

If you set off alarm by accident and do not want to alarm or disturb the whole neighborhood, "pre-alarm" mode cuts in three seconds before alarm condition to give you time to disarm system.

In this mode, parking lights, siren and dome light go on and off intermittently for three seconds. Violation information will also be shown on your remote by the dedicated icon.

### ALARM CONDITION

When system is in alarm condition, it activates the various deterrents connected to the alarm module.

Alarm condition remains active for 30 or 60 seconds depending on initial programming, then system pauses for five seconds (45 seconds for "Door" zone). During this pause, it checks the protection zones again and restarts alarm cycle if a zone is still in violation.

This cycle can be repeated up to four times. If situation that caused the violation is corrected in mid-cycle, alarm stops at end of current cycle. Violation information will also be shown on your remote by the dedicated icon.

## OPERATION

Your alarm system has three different operating modes, **active**, **semi-passive rearming** and **passive rearming** depending on initial programming. See the relevant paragraph for the mode your system was configured in during installation.

### ACTIVE

In active mode, the alarm must be **armed** and **disarmed** using the remote (see Table of Commands on page 4).

Alarm is armed as soon as command is received, even if a zone is in violation when command is received. If so, the remote will emit a chirp telling you that one zone is active but the alarm is now enable. However, a violated zone cannot trigger the alarm unless it was in a normal condition beforehand.

This mode is always available even if, during installation, your system was not configured for it.

### SEMI-PASSIVE REARMING

In semi-passive mode, alarm must be **armed** and **disarmed** using the remote (see Table of Commands on page 4). In this mode, alarm rearms automatically 25 seconds after disarming (rearming cycle) if doors are all closed. Indicator light flashes rapidly to indicate that system is in rearming cycle.

**Note:** If vehicle is equipped with power locks interfaced with the system, a device can be added to prevent doors from locking during rearming if key is still in ignition. If applicable, this device allows system to be armed but cancels locking.

Key detection device **is** ☐**, is not** ☐ installed on this vehicle.

Following table shows effect of each zone on rearming cycle.

| Protection zone | Effect on rearming cycle | |
|---|---|---|
| Hood<br>Additional sensor<br>Shock sensor | These three zones prolong rearming cycle as long as they remain in violation. | |
| Ignition | Activated by ignition key:<br>Activated by remote starter: | Cancels rearming<br>No effect |
| Doors [1] | This zone cancels rearming completely. | |
| Warning | No effect | |

Applying brakes or activating Temporary Valet Mode (see page 12) cancels rearming.

**PASSIVE REARMING**

In passive rearming mode, opening a door triggers rearming cycle.

Alarm will be armed 30 seconds after checking that all protection zones are in normal condition.

This 30 second period is called "rearming cycle".

If a zone detects a violation during rearming cycle, countdown stops and restarts at 30 seconds when all zones are back in normal condition.

During rearming cycle, indicator light flashes rapidly.

After five seconds, system sends an audible confirmation (siren chirps once), indicating that system will arm after 25 seconds.

After this delay, alarm is armed and sends a second confirmation (siren chirps once and parking lights flash once) to indicate that system is armed.

If you wish to remain in the vehicle without driving off, you can cancel rearming cycle by applying brakes.

When you exit the vehicle, cycle resumes and system arms automatically (see also "Temporary Valet Mode" on page 12).

If you disarm the system and do not open the door within 60 seconds, it rearms itself automatically.

The table on the next page shows the effect that each zone has on the rearming cycle.

| Protection zone | Effect on rearming cycle | |
|---|---|---|
| Hood<br>Doors<br>Additional sensor<br>Shock sensor | These four zones prolong rearming cycle as long as they remain in violation. | |
| Ignition | Activated by ignition key:<br>Activated by remote starter: | Cancels rearming<br>No effect |
| Warning | No effect | |

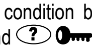
Applying brakes or ignition key in "ON" position cancels rearming (until a door is opened, which causes rearming cycle to restart from the beginning).

See also "TEMPORARY VALET MODE" (page 12) and "DOME LIGHT DURATION" (page 13).

You can **disarm** only with remote control by pressing  button (see Table of Commands on page 4).

System is disarmed immediately and restarts rearming cycle from the beginning.

## TO TERMINATE ALARM CONDITION

You can terminate alarm condition by pressing  button, which also disarms system. Pressing the  button or the stop command  , will terminate alarm condition without disarming system.

[1] If vehicle is equipped with a factory security system and runtime expires during rearming cycle, factory security system is reactivated but not AstroStart security system because opening a door is simulated for factory system rearming.

## CONFIRMATION

When the alarm is armed, one chirp of the siren and/or flash of the parking lights means that all protection zones are in normal condition and system is ready. 🔒 and **ARM** icons will be shown on your remote with a soft chirp.

Three chirps or flashes means that one or more zones are in violation (i.e. at least one door is opened). At that time, the remote will show 🔒 and **ARM** but with a high chirp, reminding you to correct the violated zone.

Once the zone is corrected (i.e. door closed), the system sends another confirmation (one chirp or flash if all zones are in normal condition, three chirps or flashes if another zone is in violation).

If a zone is in violation when system is armed manually (using remote) and the cause of the violation is not corrected, the alarm will still arm but this zone will not be able to generate an alarm condition. See also "DOME LIGHT DURATION" on page 13.

When you disarm the alarm, two chirps or flashes indicate that no one tried to break into or do anything to your vehicle, and four chirps or flashes indicate that an alarm condition occurred during your absence. Your remote will also tell by the chirp previously describe.

The following table summarizes this section.

| CONFIRMATION | MEANING |
|---|---|
| 1 chirp or flash | System armed, no zone in violation. |
| 2 chirps or flashes | System disarmed, no violation detected. |
| 3 chirps or flashes | System armed with zone in violation. Indicator light indicates which zone. |
| 4 chirps or flashes | System disarmed with violation detected.<br>Indicator light indicates cause of alarm condition. |

## INDICATOR LIGHT

Indicator light flashes a specific number of times (see table below) to indicate different alarm conditions when arming and disarming the system.

It can also act as a deterrent if installed in a place visible from outside the vehicle.

**DURING ARMING** Indicator flashes codes for zones in violation (i.e. at least one door is opened).

Only one code is shown at a time. If more than one zone is in violation during arming, code changes when zone shown is corrected (example: door closed).

**DURING DISARMING** Indicator flashes code for last zone that generated the alarm condition.

Code is shown when you press 🔓 button.

This code is repeated until you apply the brakes.

The table on the next page shows the meaning of zone codes (number of flashes).

## ZONE CODES

| FLASHES | ZONE INDICATED |
|---|---|
| **1** | System is armed. |
| **2** | A door is/was open. |
| **3** | Hood is/was open. |
| **4** | Alarm condition is/was detected on shock sensor input. |
| **5** | Key is/was in ignition position (IGN). |
| **6** | Alarm condition is/was detected on additional sensor input.<br>Additional sensor monitors status of ………………………………………………………... |
| **7** | Loss of power (+12V battery supply was removed). |
| **8** | Alarm status is/has been detected on pre-shock sensor input. |

**Indicator can show two other conditions:**

| | |
|---|---|
| **CONSTANT DIM LIGHT** | Indicates that alarm is permanently disarmed.<br>See "VALET MODE" on page 12. |
| **RAPID FLASHES** | Indicates that system is in rearming cycle.<br>See "PASSIVE REARMING" and "SEMI-PASSIVE REARMING" on page 9. |

## SECONDARY FUNCTIONS

### ANTI-LOCK

When connected to ignition key cylinder, this function prevents system from locking the doors during automatic rearming if key is in the ignition.

It can also be connected to a switch to select automatic locking as ACTIVE or INACTIVE.

### TEMPORARY VALET MODE (ALARM)

This mode is used to cancel automatic rearming for an indefinite period of time.

You will find this mode useful when fuelling up or working on your vehicle.

To activate Temporary Valet Mode, press button during rearming cycle (indicator light flashes rapidly).

When light stops flashing, it confirms that Temporary Valet Mode has been activated.
To cancel this mode, place ignition key in "RUN" position then remove it; passive rearming is reactivated when you open a door.

You can also arm the system using the remote, which cancels Temporary Valet Mode.

### VALET MODE



This mode is used to deactivate alarm permanently when you take your vehicle in for servicing for example. It can be de/activate by the remote (see table of commands, page 5) or by the Valet switch.

Valet switch activates Valet Mode or terminates alarm condition when your **remote control is not available** (lost, batteries dead, etc.).

This switch must be installed in a hidden place known only to regular users of the vehicle.

Ask your installer to tell you where it is.

**TO ACTIVATE VALET MODE**, place ignition key in "ON" position then press Valet switch (for about 3 seconds) until indicator light comes on at half-brightness.

**TO DEACTIVATE VALET MODE**, place ignition key in "ON" position then press Valet switch (for about 3 seconds) until indicator light goes out.

**Notes:**
If you perform both sequences one after the other, you need to pause for 3 seconds between the two sequences.

Valet Mode is automatically deactivated when key is turned to the "ON" position for the tenth time. This is to prevent Valet Mode from being left on for long periods of time.

## GLOSSARY

### SIREN

Siren has six different sounds, i.e., it chirps repeatedly and has six different melodies.

It chirps intermittently (short repeated chirps) during a pre-alarm and continuously during an alarm condition.

It can confirm arm and disarm commands with short chirps; see table in CONFIRMATION section.

This function is programmable as active or inactive during installation.

### HORN

Horn beeps intermittently (short repeated beeps) during an alarm condition.

This function is optional and may require the installation of additional material.

Ask your installer for more details.

### PARKING LIGHTS

Parking lights flash intermittently (repeated flashes) during a pre-alarm and alarm condition.

Parking lights also confirm that commands have been received.

See table in CONFIRMATION section.

### VIOLATION

Violation means a situation that causes a protection zone to generate an alarm condition; example: a door was opened, etc.

### DOME LIGHT DURATION

The system turns vehicle dome light on for 30 seconds upon unlocking command (not applicable in "semi-passive rearming" mode).

In "passive rearming" mode, system ignores the "Door" zone while dome light is on, which prolongs rearming cycle by 30 seconds.

On some vehicles, dome light may remain on after all doors have been closed. If this option applies to your vehicle, rearming cycle is prolonged by the number of seconds during which dome light is kept on by vehicle's factory system.

- **Special condition**
  If during dome light duration, a "Lock" command is sent while a door is opened, system arms and ignores door violation; if door is still open 45 seconds after dome light duration ends, system recognizes door violation and changes to alarm condition.

## LOCK/UNLOCK COMMANDS AND ALARM SYSTEM ARMING/DISARMING

If your vehicle is equipped with electric door locks, several functions can be operated by remote control. These features are optional and may require purchasing additional equipment. Consult your dealer for advice.

Arming and disarming the security system also controls Lock/Unlock functions (5204 Only).

The following systems can be controlled:

- Door locks
- Trunk or hatchback release
- Interior lights

### LOCK / ARM

Press button (lights: 1). Doors are locked and parking lights flash once to confirm command has been received. If command is repeated, horn sounds to confirm that system has received the command. Your remote will also show you on the LCD.

### UNLOCK / DISARM

Press button. Doors are unlocked and parking lights flash twice to confirm command has been received. Your remote will also show you on the LCD.

Unlock function can be programmed and connected so that the first Unlock command only unlocks the driver's door, while a following Unlock command unlocks the other door(s).

Dome light will come on for 30 seconds every time Unlock command is sent. This 30 second duration is cancelled when Lock command is sent, brakes are applied or key is inserted in ignition and turned to ON position.

This function is optional and requires an additional connection and equipment during installation.

## TRUNK RELEASE

Press and buttons simultaneously. Trunk releases and parking lights flash three times to confirm command has been received.

Trunk cannot be released if key is in **ON** position. In this case, lights flash once to confirm command has been received and that trunk could not be released.

If you are not sure you received a confirmation, repeat command. The system will repeat the confirmation as often as you wish.

If your vehicle is equipped with a factory security system, do not forget to rearm it after closing trunk (Lock command).

## AUTOMATIC LOCK/UNLOCK

Programmable as **Active** or **Inactive** during installation.

This function locks doors when ignition key is in **ON** position, engine is running and brakes are applied. Doors are unlocked when key is turned from **ON** to **OFF** or when Continuous Mode is activated.

If Unlock function is set to unlock only driver's door on the first command, Automatic Unlock function will unlock driver's door only. If dome light is connected to system, it comes on when an Automatic Unlock occurs.

This function is: Active ☐ Inactive ☐.

# OTHER COMMANDS

## ANTITHEFT (CIRCUIT DISABLER)

Programmable as **Active** or **Inactive** during installation.

Your Remote Starter is equipped with an antitheft system. This system consists of an output that controls a relay that cuts all circuits required to operate your vehicle (optional connection). There are two types of antitheft systems.

### "PASSIVE ARMING" TYPE ANTITHEFT

This type of antitheft system arms automatically when ignition key is turned from **ON** to **OFF** and remains **OFF** for one minute. It can also be armed manually by sending a Lock command (unless ignition key is in **ON** position).

#### DISARMING

Antitheft system is disarmed for one minute when you send an Unlock command. If ignition key is not turned to **ON** position within one minute, system automatically rearms, thus preventing an intruder from starting your vehicle, even with ignition key.

It can be connected so that horn sounds if an intruder tries to start your vehicle when antitheft is armed.

### "ACTIVE" TYPE ANTITHEFT

This type of antitheft system is armed by sending a Lock command (unless ignition key is in **ON** position) and is disarmed by sending an Unlock command.

### VALET MODE

Valet mode allows you to disarm antitheft system whenever your vehicle is left with someone else, for servicing for example.

With a 5204, the alarm and the antitheft valet mode are combined. See the instructions in the alarm valet mode part of that guide in page 12.

With a 4204, see below for instructions.

**TO ACTIVATE VALET MODE WITH THE VALET SWITCH**, turn the key to ON position then press Valet switch until antitheft status indicator stops flashing (approximately 3 seconds).

**TO DEACTIVATE VALET MODE WITH THE VALET SWITCH**, turn the key to ON position then press and hold Valet switch for at least 3 seconds. The status indicator will start flashing.

To access the valet mode with the remote, refer to the table of commands in page 5.

Valet Mode is automatically deactivated when key is turned to the "ON" position for the tenth time. This is to prevent Valet Mode from being left on for long periods of time.

Note, the flashing LED is optional on a 4204.

## UTILITY COMMAND

An additional command allows you to control most of the vehicle accessories depending on what was connected during installation (headlights, defroster, etc.). For more information, check with your technician.

To activate this function, press and buttons simultaneously.

The accessory associated with this command (______________________________________________) is activated for: 1 sec. ☐, 1 min. ☐ or 8 min. ☐, depending on the programming.

You can terminate this runtime by repeating the command.

## CAR FINDER

Press and buttons simultaneously.

This function sounds the **horn** (short melody) and flashes the **parking lights** so you can locate your vehicle in a large parking lot.

## REMOTE SILENT MODE

The remote can be programmed to be use in silent mode. Simply press and hold the button for more than five seconds and your remote will not make sounds anymore. The mode is de/activated the same way.

## KEYBOARD LOCK

The keyboard of your remote can be lock to prevent any unwanted commands to be sent to your car. Simply press and hold the button for more than five seconds. The mode is de/activated the same way.

# SAFETY CHECKS

In order to maintain a high safety standard, proceed with the following checks every month.

## HOOD SWITCH

- Remote start your vehicle.
- Open hood.

Engine should stop as soon as hood is opened.

If engine does not stop immediately, turn main switch to **OFF** position **and leave it off until situation is rectified.** Contact your service center.

## GEARSHIFT CHECK

If key must be in ignition for gearshift to be moved out of **P**, your vehicle is safe as long as keys are kept away from children.

If, on the other hand, gearshift can be put in gear without key being in ignition, proceed with this simple check.

- Put gearshift in gear (**D**).
- Remain in the vehicle and be ready to apply brakes.
- Start vehicle with remote starter.
- Repeat these steps with gearshift in every position other than **Park** and **Neutral**.

If starter reacts within 90 seconds (which would be abnormal), turn main switch to OFF position **and leave it off until situation is rectified**. Contact your service center.

- With gearshift in **P**, start vehicle with remote starter.
- Remain in vehicle and **be ready to apply brakes**.
- **Without applying brakes**, move gearshift out of P.

If, without applying brakes, engine does not stop immediately (which would be abnormal), turn main switch to **OFF** position **and leave it off until situation is rectified.** Contact your service center.

# REPLACING OR BOOSTING VEHICLE BATTERY

If you have to replace or boost your battery for any reason, turn main switch to **OFF** position **and leave it OFF until battery is replaced or fully charged.**

**Reversing polarity when boosting your battery could permanently damage your remote starter.**

**Note**: If alarm is armed when battery is disconnected, siren will sound when battery is reconnected if a zone is in violation.

To avoid this, put system in Valet Mode before disconnecting battery.